جامعة دمياط
Damietta University

Exam: Final
Term : 2 Level: 1
Programs: Math + Comp. Sci.
Course (code): Scientific Terms in English (٤103)
Date: 31/5/2025 Time: 2 h
Full Marks: 70

كلية العلوم جامعة دمياط
Mathematics Department

Answer the following three questions (the questions in two pages):

Question1. Read the following expressions: (15 Marks)

(1) $\lim_{x\to 5} 2x^2 - 3x + 4.$ (5Marks)

(2) $(x+a)^n = \sum_{k=0}^{n} \binom{n}{k} x^k a^{n-k}.$ (5Marks)

(3) $\int_0^{\infty} (6x^3 + 6!)dx.$ (5Marks)

Question2: Write true or false. Correct the false statements. (30 Marks)

1) A quadratic equation is an equation involving the three power, but no higher power of an unknown.
2) A quadrilateral is a five-sided polygon.
3) If x = ky, where k is a constant, then x is said to be proportional to y.
4) An improper fraction is a fraction with a denominator that is greater than the numerator.
5) An isosceles triangle is a triangle with three sides of equal length.
6) A parabola is the set of all points in a plane that are equally distant from a fixed point (called the focus) and a fixed line.
7) A perfect square is an integer that can be formed by squaring another integer.
8) Two lines are perpendicular if the angle between them is a 70° angle.
9) The velocity of an object measures the rate of change in its acceleration.
10) Two angles are adjacent if they share the same vertex and have one side in common between them.
11) A trapezoid is a quadrilateral that has exactly two sides parallel.
12) A set of points is collinear if they all lie on the same line.